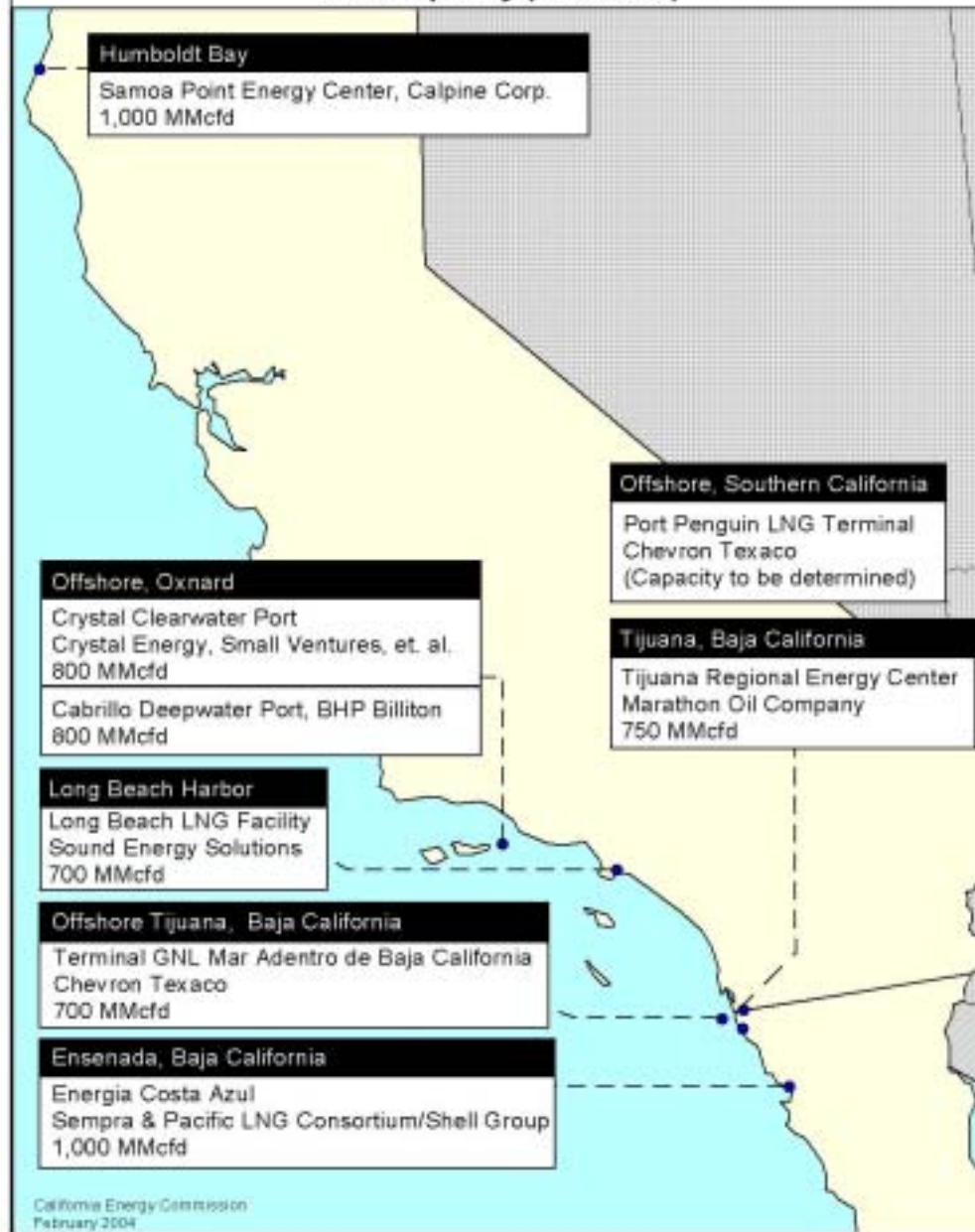




Navigational Safety and Environmental Issues

**California Department of
Fish and Game**

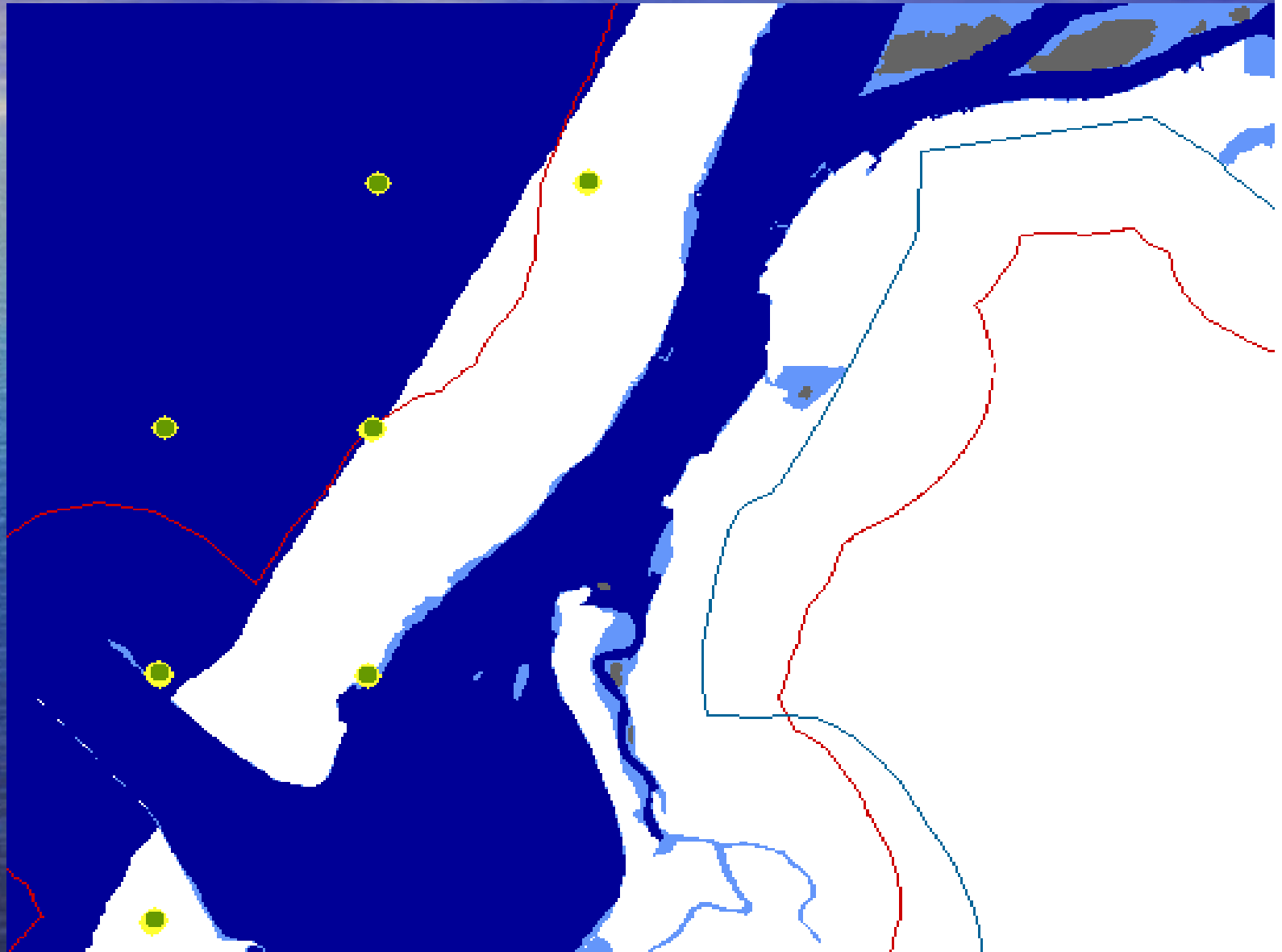
Proposed West Coast LNG Terminals and Capacity (in MMcfd)

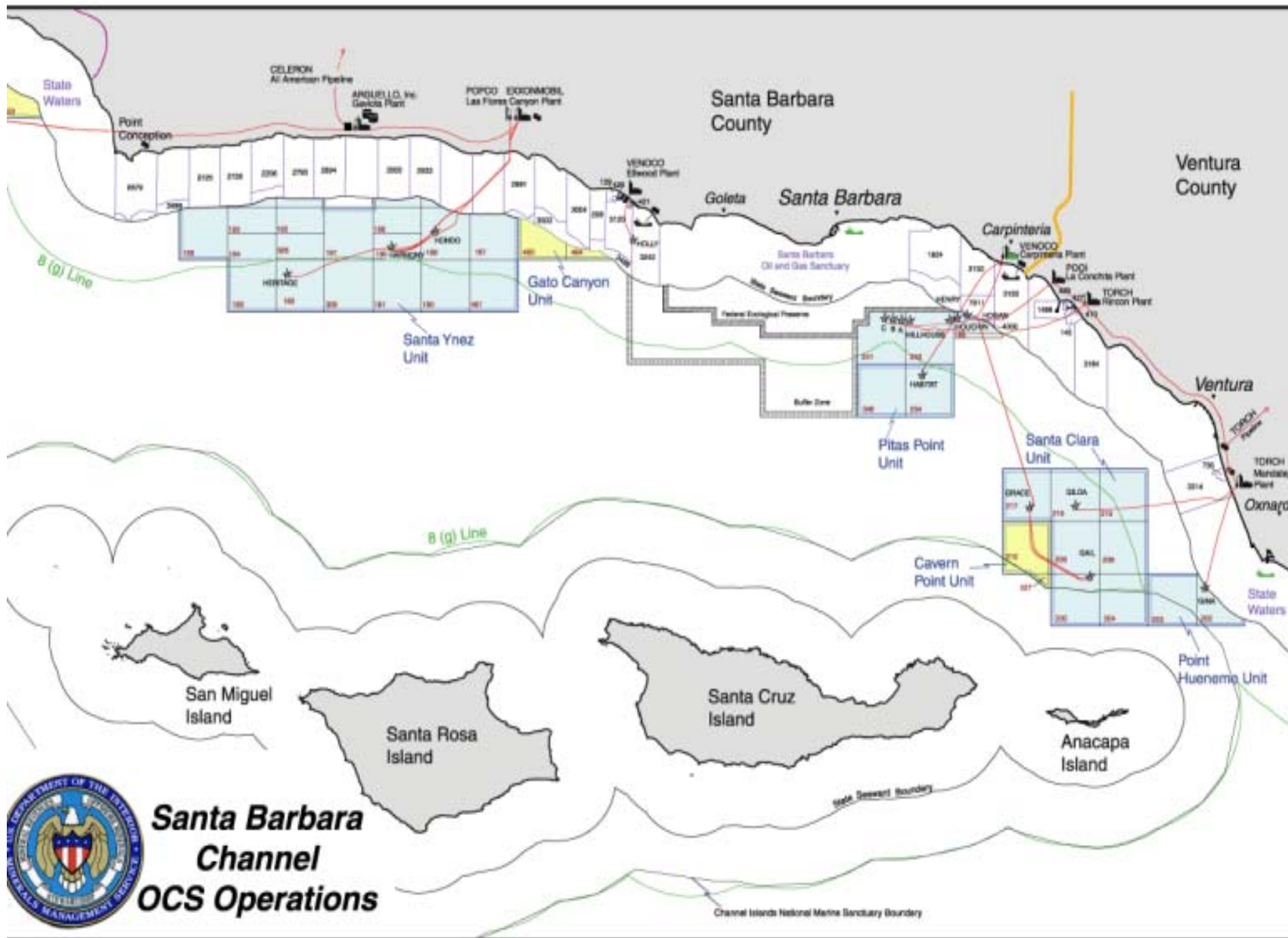


Navigation Safety Issues

- Increased vessel traffic
- Coast Guard restrictions on vessel transits
 - One way traffic
 - Safety zones
- Harbor restrictions
 - Water depth
 - Turning basins

CALPINE Energy Humboldt Bay Project located on Samoa Spit





Santa Barbara Channel OCS Operations

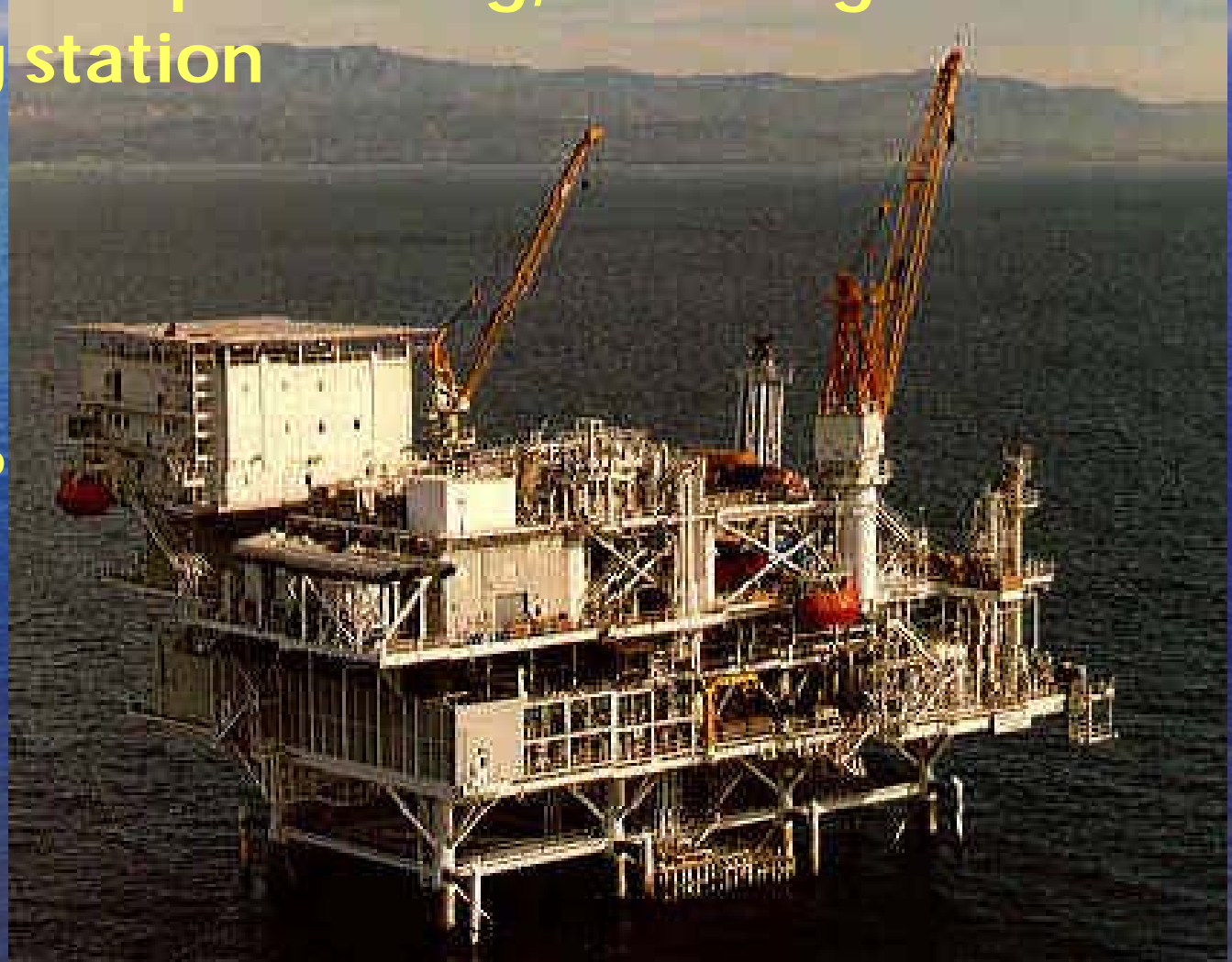
CRYSTAL ENERGY PLATFORM GRACE PROJECT

Conversion of an existing offshore oil and gas platform

to an offshore ship mooring, LNG re-gasification and pumping station

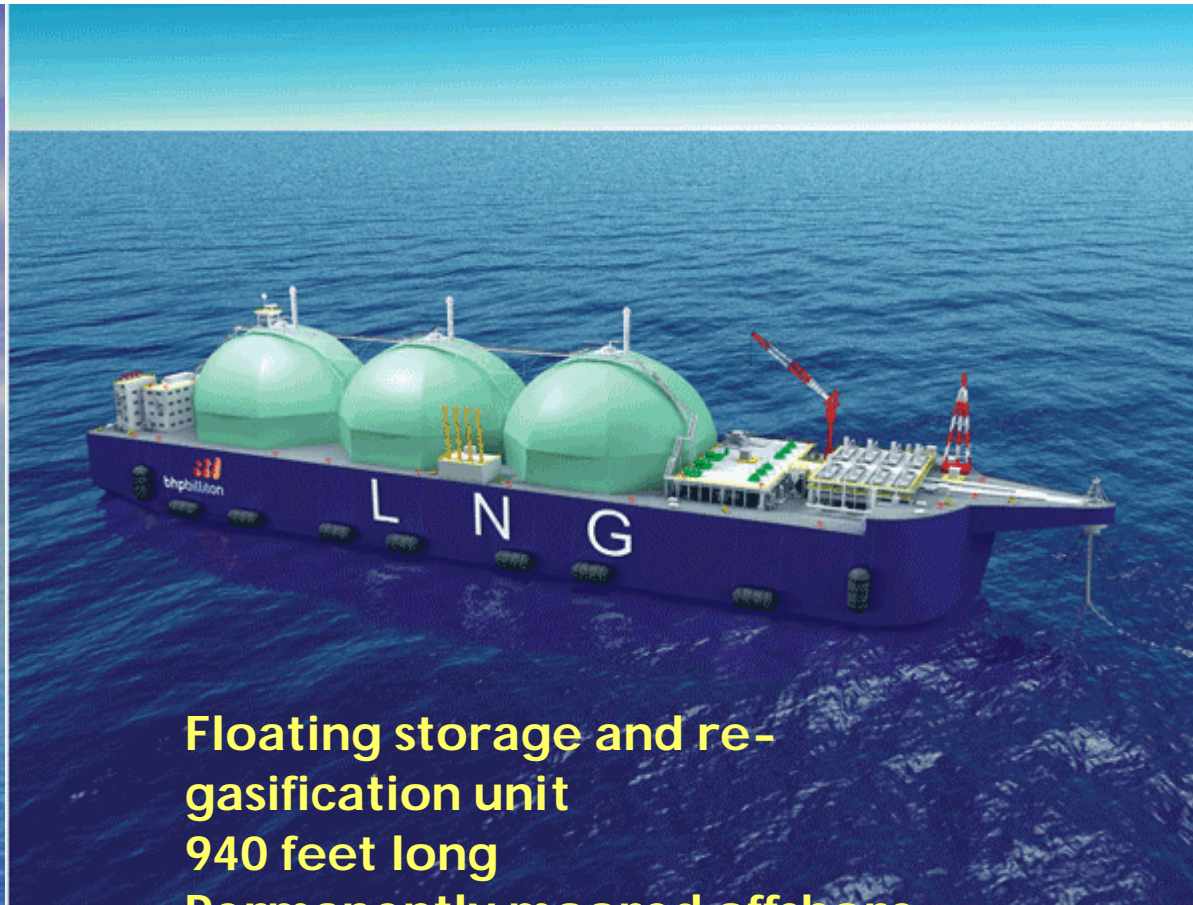
PLATFORM GRACE

Water 318 feet deep
10.5 miles to shore



Each facility will require 2 to 3 ship loads of LNG each week

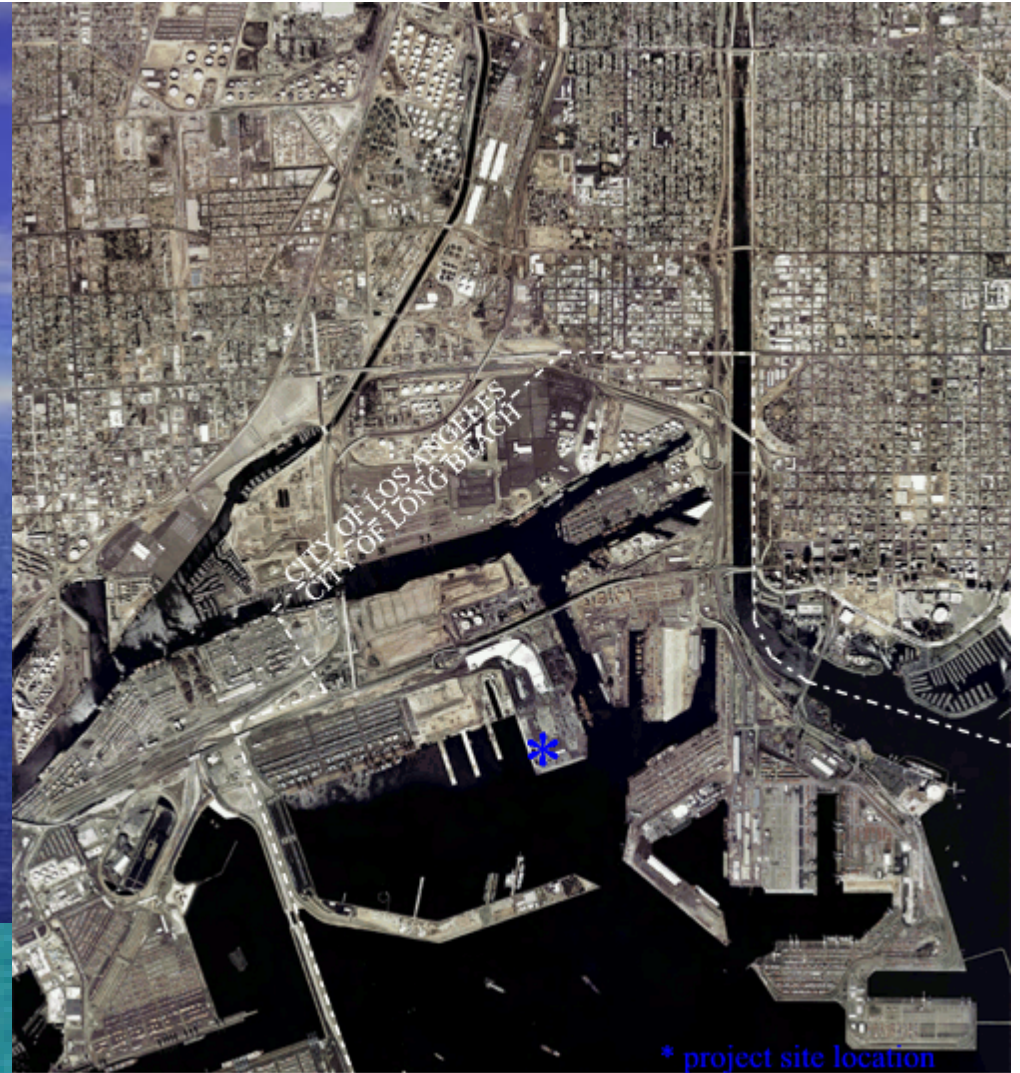




**Floating storage and re-
gasification unit
940 feet long
Permanently moored offshore**

**BHP Billiton Deep water Port project
Approximately 14 miles offshore
Pipeline from mooring to shore is 21
miles long**

Sound Energy Solutions Long Beach Project



* project site location

